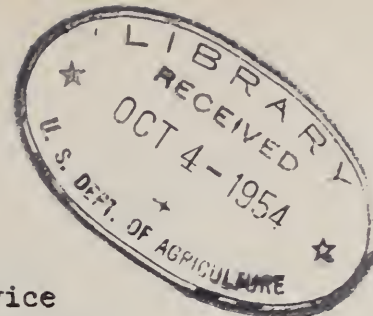


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UNITED STATES DEPARTMENT OF AGRICULTURE  
Agricultural Marketing Service  
Cotton Division



Regulations and Fees for Cotton Testing Service

Effective August 1, 1954

The Act of April 1941 (55 Stat. 131; 7 U.S.C. 473d) provides for the making of fiber and spinning tests for cotton breeders and others on a fee basis. Pursuant to the provisions of this Act, the regulations governing this service have been amended effective August 1, 1954, as published herein. 1/

Samples submitted for testing under this act should be sent, without expense to the Government, to: "Cotton Division, AMS, USDA" at one of the following laboratories:

Standards and Testing Branch, Washington 25, D. C.  
Clemson Cotton Laboratory, Clemson, S. C.  
Stoneville Cotton Laboratory, Stoneville, Miss.  
College Station Cotton Laboratory, College Station, Tex.  
Mesilla Park Cotton Laboratory, Mesilla Park, N. Mex.

Additional explanatory material regarding the specific test items included in the regulations and the evaluation of the results of such tests is included in a companion publication entitled "Cotton Testing Service." Questions regarding the testing services should be addressed to any of the laboratories listed above.

The revised regulations are as follows:

Code of Federal Regulations  
Title 7, Chapter I  
Part 28, Cotton Standards  
Subpart E - Cotton Fiber and Spinning Tests

Administration

§28.950 Authority. The Administrator of the Agricultural Marketing Service is charged with the administration of the provisions of the act and the regulations in this subpart and is authorized to issue such instructions as he may deem proper and necessary.

§28.951 Laboratories. Laboratories shall be maintained at points designated by the Administrator of the Agricultural Marketing Service.

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1/ Published in the Federal Register, July 31, 1954 (19 F.R. 4695).

## Fiber and Spinning Tests

§28.952 Testing of Samples. The Administrator of the Agricultural Marketing Service or his authorized representatives, upon written requests, shall make fiber and spinning tests of the properties of cotton samples and report the results thereof to the persons from whom such requests are received, subject to compliance by such persons with the regulations in this subpart and to the payment by them of fees as prescribed herein.

§28.953 Requirements as to samples. Unless otherwise specified in a particular test item herein, each sample of ginned cotton lint submitted for fiber and spinning tests shall weigh approximately as follows:

- 1 ounce or more for fiber tests
- 6 pounds or more for carded yarn spinning tests
- 8 pounds or more for combed yarn spinning tests
- 10 pounds or more for carded and combed yarn spinning tests

Each individual sample submitted for testing shall contain a tag or coupon bearing a number or other identification symbol. Individually labeled samples may be sent in one or more parcels, each of which shall bear on the outside thereof the name and address of the person submitting it. Persons who submit samples to laboratories for testing shall comply with any Federal or State quarantine requirements applicable to counties from which such samples are shipped.

§28.954 Costs of submitting samples. The transportation of samples to a laboratory for testing shall be without expense to the Government.

§28.955 Disposition of samples. The remnants of samples and the other materials accumulated in the making of tests under the regulations in this subpart shall be the property of the Government. Portions of such samples and materials, however, may be used for illustrative purposes in connection with laboratory reports submitted to persons applying for such tests or may be returned to such persons as prescribed herein for specific test items.

§28.956 Prescribed fees. Fees for fiber and spinning tests shall be assessed in accordance with items 1 to 28 inclusive, as follows:



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<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
1	Ginning of fiber and spinning test samples (reporting the weight of the seed cotton ginned, the weight of the cotton seed and the lint delivered, and the percentage of lint turnout as based on a maximum of 25 pounds of seed cotton), per sample .....	\$ 2.00
	40 or more samples submitted at the same time, per sample .....	1.75
	Minimum fee .....	8.00
2	Fiber length array of cotton samples (reporting the average length and the average length variability as based on 3 specimens from a blended sample):	
	a. Ginned cotton lint, per sample .....	10.00
	20 or more samples submitted at the same time, per sample .....	9.00
	b. Cotton wastes, per sample .....	15.00
	20 or more samples submitted at the same time, per sample .....	14.00
2.1	Fiber length array of cotton samples (reporting the average percentage of fibers by weight in each 1/8-inch group, the average length, and the average length variability as based on 3 specimen from a blended sample):	
	a. Ginned cotton lint, per sample .....	12.50
	20 or more samples submitted at the same time, per sample .....	11.50
	b. Cotton wastes, per sample .....	17.50
	20 or more samples submitted at the same time, per sample .....	16.50
2.2	Fiber array of cotton samples including purified or absorbent cotton (reporting the average percentage of fibers 1/2-inch and longer by weight, the average of fibers shorter than 1/4-inch by weight, the average length, and the average length variability as based on 3 specimens from each sample), per sample .....	12.50
	20 samples or more submitted at the same time, per sample .....	11.50
3	Fiber length of ginned cotton lint by Fibrograph method (reporting the average length and the average length uniformity as based on 4 specimens from a blended sample), per sample .....	1.50
	40 or more samples submitted at the same time, per sample .....	1.25

<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
3.1	Fiber length of ginned cotton lint by Fibrograph method (reporting the length of each sub-sample and the average length and the average length uniformity for each group of replicate sub-samples as based on 2 specimens from each of 3 or more replicate unblended sub-samples), per sub-sample .....	\$ .75
	40 or more sub-samples submitted at the same time, per sub-sample .....	.60
	Minimum fee .....	3.00
4	Foreign matter content in unginned seed cotton (reporting the percentage of foreign matter as based on a fractionation test on a 300-gram specimen), per sample .....	1.00
	40 or more samples submitted at the same time, per sample .....	.80
5	Fiber strength of ginned cotton lint by flat bundle method (reporting the average strength as based on 4 or more specimens from a blended sample), per sample..	1.50
	40 or more samples submitted at the same time, per sample .....	1.25
5.1	Fiber strength of ginned cotton lint by flat bundle method (reporting the strength of each sub-sample and the average strength for each group of replicate sub-samples as based on 2 specimens for each of 3 or more replicate unblended sub-samples), per sub-sample .....	.75
	40 or more sub-samples submitted at the same time, per sub-sample .....	.60
	Minimum fee .....	3.00
6	Fiber maturity and fineness of ginned cotton lint by the Causticaire method (reporting the average maturity and fineness as based on 2 specimens from a blended sample), per sample .....	1.50
	40 or more samples submitted at the same time, per sample .....	1.25
	Minimum fee .....	6.00
6.1	Micronaire tests on ginned cotton lint (reporting the average Micronaire units as based on 2 specimens from a blended sample), per sample .....	.75
	40 or more samples submitted at the same time, per sample .....	.65
	Minimum fee unless performed in connection with other tests .....	3.00



<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
6.2	Micronaire tests on ginned cotton lint (reporting the Micronaire unit for each sub-sample and the average Micronaire unit for each group of replicate sub-samples as based on 1 specimen from each of 2 or more replicate unblended sub-samples), per sub-sample .....	\$ .30
	40 or more sub-samples submitted at the same time, per sub-sample .....	.25
	Minimum fee .....	3.00
6.3	Fiber fineness and maturity of ginned cotton lint by array method (reporting the weighted average according to the distribution of the fibers in the arrays for both weight-per-inch and percentage of mature fibers as based on 2 determinations on the fibers in each 1/8-inch group from a composite of 2 length arrays):	
	a. From raw stock, per sample .....	15.00
	20 or more samples submitted at the same time, per sample .....	13.00
	b. From arrayed specimens prepared in connection with items 2, 2.1, or 2.2, per sample .....	7.50
	20 or more samples submitted at the same time, per sample .....	6.50
7	Neps content of ginned cotton lint (reporting the neps per 100 square inches as based on the web prepared from a 3-gram specimen by using accessory equipment with the mechanical fiber blender), per sample .....	2.00
	40 or more samples submitted at the same time, per sample .....	1.75
	Minimum fee .....	6.00
8	Furnishing American cotton for laboratory check test (including data for length by both array and fibrograph methods, strength by flat bundle method, maturity and fineness by the Causticaire method, and micronaire tests):	
	a. Short staple, per 1-pound sample .....	7.50
	b. Medium staple, per 1-pound sample .....	7.50
	c. Long staple, per 1-pound sample .....	7.50
	d. Extra long staple, per 1-pound sample .....	7.50

<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
9	Blending samples of ginned cotton lint (including the blending of a 10-gram sample on the mechanical fiber blender and returning the blended sample to the applicant), per sample .....	\$ 1.00
	40 or more samples submitted at the same time, per sample .....	.75
10	Moisture content in cotton samples (reporting the percentage of moisture content by the oven-drying method):	
	a. For samples of ginned lint, stock at various stages of processing, yarn, or wastes of various types (as based on a 20-gram specimen), per sample .....	.75
	40 or more samples submitted at the same time, per sample .....	.60
	Minimum fee .....	3.00
	b. For samples of unginced seed cotton (as based on a 50-gram specimen), per sample .....	1.25
	40 samples or more submitted at the same time, per sample .....	1.00
	Minimum fee .....	5.00
11	Carded yarn spinning test (reporting data on the classification and the fiber length of the cotton, wastes extracted, neps in card web, yarn strength, and yarn appearance in addition to comments summarizing any unusual processing observations as based on the processing of a 5-pound specimen in accordance with standard procedures at one of the standard rates of carding selected from 6-1/2, 9-1/2, and 12-1/2 pounds per hour into 2 standard carded yarn numbers selected from 8s, 14s, 22s, 36s, 44s, 50s, and 60s, employing the optimum twist multiplier, unless otherwise specified), per sample .....	30.00
	20 or more samples submitted at the same time employing the same processing organization, per sample .....	25.00
	Minimum fee .....	60.00
12	Combed yarn spinning test (reporting data on the classification and the fiber length of the cotton, wastes extracted, neps in card web, yarn strength, and yarn appearance in addition to comments summarizing any unusual processing observations as based on the processing of a 7-pound specimen in accordance with standard procedures at one of the	



<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
12 (Contd.)	standard rates of carding selected from 3-1/2, 6-1/2, and 9-1/2 pounds-per-hour into 2 standard combed yarn numbers selected from 14s, 22s, 36s, 44s, 50s, 60s, 80s, and 100s employing the optimum twist multiplier unless otherwise specified), per sample .....	\$40.00
	20 or more samples submitted at the same time employing the same processing organization, per sample ....	35.00
	Minimum fee .....	80.00
13	Carded and combed yarn spinning test (reporting the results listed in item numbers 11 and 12 as based on the processing of a 9-pound specimen into 2 standard carded and 2 standard combed yarn numbers employing the same carding rate and the same yarn numbers for both the carded and the combed yarns), per sample...	50.00
	20 or more samples submitted at the same time employing the same processing organization, per sample .....	45.00
	Minimum fee .....	100.00
14	Carded and combed yarn spinning test (reporting the results listed in item numbers 11 and 12 as based on the processing of a 9-pound specimen into 2 standard carded and 2 standard combed yarn numbers employing different carding rates and/or different yarn numbers for the carded and combed yarns), per sample .....	60.00
	20 or more samples submitted at the same time, employing the same processing organization per sample.	55.00
	Minimum fee .....	120.00
15	2-pound carded yarn spinning test (reporting data on the classification and the fiber length of the cotton, neps in card web, yarn strength and yarn appearance as based on the processing of a 2-pound specimen in accordance with standard procedures into 22s and 36s carded yarns employing optimum twist multiplier), per sample .....	25.00
	20 or more samples submitted at the same time, per sample .....	20.00
	Minimum fee .....	50.00
16	Processing and testing of additional yarn (any carded or combed yarn number processed in connection with spinning tests as specified in item numbers 11 through 14 including either additional yarn numbers or additional twist multipliers employed on the same yarn numbers):	

<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>															
	a. Single yarn reporting data on strength and appearance, per additional lot of yarn .....	\$ 5.00															
	b. 2- or 3-ply yarn reporting data on strength only, per lot of yarn .....	10.00															
16.1	Processing and furnishing of additional yarn (any yarn number processed in connection with spinning tests as specified in items 11 through 14):																
	a. Approximately 300 yards on each of 16 paper tubes for testing by the applicant, per additional lot of yarn .....	10.00															
	In the following quantities wound on paper tubes:																
	<table> <tr> <th><u>Yarn Number</u></th><th><u>Per Pound</u></th><th><u>Minimum Fee</u></th></tr> <tr> <td>b. Carded 60s or coarser</td><td>10.00</td><td>12.50</td></tr> <tr> <td>c. Combed 60s or coarser</td><td>12.50</td><td>15.00</td></tr> <tr> <td>d. Combed 61s to 80s</td><td>15.00</td><td>17.50</td></tr> <tr> <td>e. Combed 81s to 100s</td><td>17.50</td><td>20.00</td></tr> </table>	<u>Yarn Number</u>	<u>Per Pound</u>	<u>Minimum Fee</u>	b. Carded 60s or coarser	10.00	12.50	c. Combed 60s or coarser	12.50	15.00	d. Combed 61s to 80s	15.00	17.50	e. Combed 81s to 100s	17.50	20.00	
<u>Yarn Number</u>	<u>Per Pound</u>	<u>Minimum Fee</u>															
b. Carded 60s or coarser	10.00	12.50															
c. Combed 60s or coarser	12.50	15.00															
d. Combed 61s to 80s	15.00	17.50															
e. Combed 81s to 100s	17.50	20.00															
17	Spinning twist test (reporting data on the strength of any yarn number processed from ginned lint or stock in process employing 6 different spinning twist multipliers as specified by the applicant for determining the optimum twist) processed as follows:																
	a. From ginned lint or picker lap, per sample ....	40.00															
	b. From sliver, per sample .....	35.00															
	c. From roving, per sample .....	30.00															
17.1	Additional spinning twist test (from the same material and in connection with a spinning test or a spinning twist test as specified in items number 11 through 14 and 17 reporting data on yarn strength for an additional yarn number or additional twists on the same yarn number), per 6 lots of yarn .....	25.00															
18	Skein strength of yarn (reporting data on the strength and the yarn number based on 25 skeins from yarn furnished by the applicant), per sample .....	2.50															



<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
18.1	Single strand strength of yarn (reporting data on the strength as based on a minimum of 36 breaks on yarn from each of 6 bobbins employing the moscrop automatic testing machine), per sample .....	\$ 5.00
	Minimum fee .....	10.00
	a. Furnishing copy of chart record, per test...	1.00
18.2	Single strand strength of ply yarn or cord (reporting data on the strength as based on 25 breaks employing a pendulum type testing machine), per sample .....	2.50
18.3	Appearance grade of yarn (reporting the appearance grade in accordance with ASTM standards as based on yarn wound from one bobbin), per sample .....	1.00
	a. Furnishing yarn wound on boards in connection with yarn appearance tests as specified in item numbers 11 through 15 and 18.3 .....	1.00
19	Processing, weaving, and testing of fabric (reporting data on the warp and the filling strength by the grab method for any standard cotton fabric for which the laboratories are equipped to produce which are processed in accordance with standard laboratory procedures):	
	a. Processed in connection with spinning tests as specified in item numbers 11 through 14, per lot of fabric .....	70.00
	10 or more lots of fabric processed at the same time, per lot of fabric .....	60.00
	b. Processed from yarns furnished by the applicant, per lot of fabric .....	60.00
	10 or more lots of fabric processed at the same time, per lot of fabric .....	50.00
20	Strength of fabric (reporting data on the warp and the filling strength by the grab method for fabric furnished by the applicant), per lot of fabric .....	2.50



<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
20.1	Cotton Fabric Analysis (reporting data on the number of warp and filling threads per inch and the weight per yard of fabric as based on at least three (3) 6x6-inch specimens of fabric which was processed as specified in item number 19, or furnished by the applicant), per lot of fabric .....	\$ 5.00
	10 or more lots of fabric tested at the same time, per lot of fabric .....	4.00
20.2	Sizing content of cotton fabric or yarn (reporting data on sizing content as based on the desizing of a 20 to 40 gram specimen of sized and, if available, unsized fabric or yarn which was processed as specified in item number 19 or furnished by the applicant), per lot of fabric or yarn .....	5.00
	10 or more samples tested at the same time, per lot of fabric or yarn .....	4.00
	Minimum fee .....	20.00
21	Neps and waste test (reporting data on neps in card web and wastes extracted in the processing of a 5-pound specimen of ginned cotton lint through the picking and carding processes in accordance with standard procedures as specified in item number 11), per sample .....	7.50
	20 or more samples processed at the same time employing the same processing organization, per sample .....	6.00
22	Sugar content of ginned cotton lint (reporting data on the soluble reducing sugar content as based on chemical-colorimetric tests), per sample .....	.75
	40 or more samples tested at the same time, per test .....	.60
	Minimum fee .....	3.00
23	Color of ginned cotton lint (reporting data on the reflectance in terms of Rd values and the degree of yellowness in terms of b values as based on color tests employing the Nickerson-Hunter colorimeter on samples which have a uniform surface measuring 5 x 6-1/2 inches and weighing approximately 50 grams in order to provide specimens which are sufficiently thick to be opaque), per sample .....	.25
	Minimum fee .....	2.00
23.1	Furnishing color diagrams of official grade standards (reporting color values plotted on a diagram as based on tests employing the Nickerson-Hunter colorimeter for standards purchased by the applicant), per set or portion of set .....	15.00

<u>Item No.</u>	<u>Kind of test</u>	<u>Fee per test</u>
23.2	Furnishing color standards (includes a set of standards and a master diagram for use in calibrating Nickerson-Hunter cotton colorimeters), per set .....	\$25.00
24	Furnishing copies of test data work sheets (includes individual observations and calculations which are not routinely furnished to the applicant), per sheet	1.00
25	Foreign matter content of cotton samples (reporting data on the non-lint content as based on the Shirley analyzer separation of lint and foreign matter):	
	a. For samples of ginned lint, card strips or comber noils, per 100-gram specimen .....	2.00
	40 or more 100-gram specimens tested at the same time, per 100 gram specimen .....	1.75
	b. For samples of ginning and processing wastes other than card strips and comber noils, per 100-gram specimen .....	5.00
	40 or more 100-gram specimens tested at the same time, per 100-gram specimen .....	4.50
26	Furnishing identified cotton samples (includes samples of ginned lint, stock at any stage of processing or testing, waste of any type, yarn or fabric selected and identified in connection with fiber and/or spinning tests except those submitted for classification only), per identified sample .....	.75
27	Furnishing additional copies of test reports (includes extra copies in addition to the 2 copies routinely furnished in connection with each test item), per additional sheet .....	.50
27.1	Furnishing a certified relisting of test results (for samples selected from any previous tests except sub-sample tests as specified in item numbers 3.1, 5.1 and 6.2), per sheet .....	2.50
28	Classification of ginned cotton lint (includes grade and staple classification of 4-ounce samples in accordance with the applicable American standards for the cottons submitted), per sample .....	.25



§28.957 Fees for special tests. In the discretion of the Administrator of the Agricultural Marketing Service, special tests not listed in §28.956 may be made to the extent that available facilities will permit, subject to the payment of fees as determined by him.

§28.958 Payment of fees. As soon as practicable after the last day of each calendar month, bills shall be rendered by officers in charge of testing laboratories to all persons from whom payment of fees and costs under the regulations of this subpart shall become due, provided that when desirable any bill may be rendered at an earlier date. Payment under the regulations in this subpart shall be by certified check or by draft or post office or express money order, payable to the order of "Treasurer of the United States."

§28.959 Limitation of testing services. If at any time funds available for services under the regulations in this subpart may be insufficient to provide for the testing of all samples that may be submitted for the purpose, the Administrator of the Agricultural Marketing Service may place reasonable limitations upon the quantities of samples to be submitted by individuals during any one fiscal year or any one calendar month, and may direct that samples received from cotton breeders shall take precedence over those received from other persons.

§28.960 Confidential information. No information concerning individual tests under the regulations in this subpart shall be published or communicated in such a way as to disclose to others the identity of the owners of cotton represented by samples submitted for testing, except with the written permission of such owners.

§28.961 False and misleading information. The publication or communication by any person of false or misleading information concerning the results of tests as reported by laboratories under the regulations in this subpart shall be deemed sufficient cause for denial of testing services to such persons.